

ADVERTISEMENT FOR BIDS AND PROPOSALS  
WATER PRODUCTION IMPROVEMENTS:  
NORTH FORK WTP AND WILLIAM DEBRUHL WTP

Pursuant to Section 143-129 of the General Statutes of North Carolina and in accordance with Specifications, Conditions and Instructions, sealed proposals and bids will be received by the City of Asheville in the GILEWICZ CONFERENCE ROOM on the Mezzanine Floor of the of the CITY HALL BUILDING, 70 COURT PLAZA, ASHEVILLE, NORTH CAROLINA, until WEDNESDAY, JANUARY 31st, 2007 AT 2:00 PM LOCAL TIME at which time they will be publicly opened and read aloud for the project known as: **Water Production Improvements: North Fork WTP and William DeBruhl WTP**. This project includes but is not limited to, site work, structures, piping, yard work, erosion/sediment control, and equipment, electrical and instrumentation to construct the improvements to the existing North Fork WTP and William DeBruhl WTP. A more detailed description may be found on the following page.

A Pre-Bid Conference will be held in the 6<sup>th</sup> Floor Training Room of the City Hall Building for prospective bidders on **Tuesday, January 16<sup>th</sup>, 2007 at 2:00 PM Local Time**. Attendance is highly encouraged. The purpose of this Conference is to answer any questions pertaining to the scope and nature of the proposed construction, and to discuss the Minority Business Plan requirements.

Instructions for submitting bids and complete specifications for the equipment, supplies or services desired may be obtained at the office of Brown and Caldwell, located at 309 East Morehead Street, Suite 160, Charlotte, North Carolina 28202, contact: Leslie Jones, during regular office hours. Copies of these contract documents may be obtained upon payment of \$350.00 for each set. There will be no refund to any party for contract documents so obtained.

Complete plans, specifications, and contract documents are open for examination during regular business hours in the offices of Brown and Caldwell, Charlotte; at the Associated General Contractors' office in Asheville and Charlotte, North Carolina and in Greenville, South Carolina and at the F. W. Dodge plan room in Charlotte, North Carolina and Greenville, South Carolina.

Each proposal must be accompanied by a bid bond, cash, cashiers check or a certified check in an amount not less than five (5%) percent of the amount of the bid in accordance with the contract documents.

All bidders shall be properly licensed by the State of North Carolina.

The requirements of the City of Asheville Minority Business (MB) Plan are hereby made a part of these contract documents. These requirements shall apply to all contractors regardless of ownership. The goals for participation are outlined in the CITY'S MINORITY BUSINESS PLAN which can be accessed at [www.ashevillenc.gov/admin/economic/minority.htm](http://www.ashevillenc.gov/admin/economic/minority.htm) along with information on finding minority businesses. The City of Asheville uses minority businesses through the Office of Historically Underutilized Businesses and this information is contained on this page as well.

The goals for participation by minority firms as contractors, subcontractors, suppliers or service providers on this project have been set by the City of Asheville at 3% for minority businesses of African Americans, 1% Hispanic, Asian and Native Americans and 8% for female-owner businesses. The participation by minority firms on this project is encouraged. If the successful contractor fails to make or maintain good faith efforts to meet goals for minority business participation, there will be a penalty of 5% of the contract price imposed. For further information, contact Brenda Mills, Minority Business Program Coordinator, at the Office of Economic Development, 29 Haywood Street, Asheville, NC 28801 (phone: 828-232-4566 or email at [bgmills@ashevillenc.gov](mailto:bgmills@ashevillenc.gov)).

The requirements of the City of Asheville's Drug Free Workplace are hereby made a part of these contract documents. These requirements shall apply to all contractors regardless of ownership.

The City of Asheville reserves the right to reject any, or all proposals, or to accept the bid, or part of a bid considered to be in the best interest of the City of Asheville.

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**PROJECT DESCRIPTION:** This project is located at two separate sites at the following street(s) in eastern Buncombe County: North Fork WTP: 3374 North Fork – Left Fork Road, Black Mountain, NC 28711 and William DeBruhl WTP: 1370 Bee Tree Road, Swannanoa, NC 28778 The work for this Project includes, but is not limited to, the furnishing of labor, materials, equipment for construction and incidentals for the following renovations and upgrades:

North Fork WTP Improvements: (1) Replacement of six existing filter control panels with new control panels including new programmable logic controllers (PLC). (2) Replacement of two existing variable frequency drives (500 HP each) for the existing two existing raw water pumps. (3) Installation of new baffles in the existing five million gallon finished water clearwell. (4) Installation of orifice plates on the rewash pipelines for each of the six existing filters. (5) Installation of a pre-engineered metal chemical storage building around an existing outdoor tank farm. This work includes replacement of six existing chemical storage tanks and associated chemical piping and associated grading and yardpiping modifications. (6) Modification to the existing alum/polymer feed system including addition of a third chemical pumps and various piping modifications. (7) Installation of new chemical feed piping between the main Administration Building and the Pump Building and new chemical injection points in the Pump Building. (8) Replacement of the existing plant control system PLC. This work includes reconnection of all existing WTP input/output data and associated SCADA system modifications. (9) Installation of new ultrasonic level sensor and radio-based transmitter at the existing reservoir intake structure. (10) Installation of a new polymer feed system in the existing filter gallery and associated piping to the existing flocculation basins. (11) Cleaning, painting and replacement of corroded piping and pipe supports in the exiting filter galleries. (12) Refurbishment and modifications to the existing filter gallery HVAC including the installation of new dehumidification equipment. (13) Installation of a new flow meter manhole on the existing backwash piping upstream of the existing sludge lagoons. (14) Replacement of existing laboratory casework with new casework including replacement of existing water pipes and electrical circuits

William DeBruhl WTP Improvements: (1) Installation of new filter media in each of two existing filters. (2) Installation of orifice plates on the rewash pipelines for each of the two existing filters. (3) Replacement of existing filter surface sweep system with new backwash system including the installation of a new 75 horsepower positive displacement blower and associated stainless steel air piping. (4) Demolition/removal of an existing standby, diesel engine generator system located in the existing Pump Building and installation of a new diesel engine generator system with enclosure outdoors on a concrete pad and associated electrical system changes to feed existing equipment from the new generator system. (5) Refurbishment of an existing 10,000 gallon caustic storage tank located in the existing tank farm area outside the treatment building. This work includes replacement of existing piping between the storage tank and treatment building and the demolition of two adjacent chemical storage tanks and associated piping. Also included are minor structural modifications to the existing chemical containment area. (6) Refurbishment of the existing clearwell including sandblasting and painting. (7) Refurbishment of the existing main plant control system. This work includes, but is not limited to, installation of a new plant PLC, refurbishment of the main plant control console, reconnection of all existing WTP input/output data, and installation of a new HMI computer system.